

# Solar Photovoltaic Trainer

Educational Training Equipment for the 21st Century

Bulletin 234-5B

## H-SPT-AC-1-HS

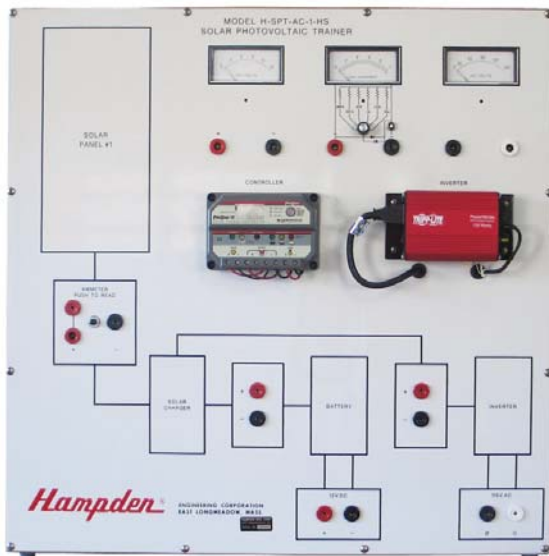
### Table Top Solar Photovoltaic Trainer

#### Description

The Hampden **Model H-SPT-AC-1-HS** is a control system trainer which lets the student technician examine the electrical layout and operational features normally associated with a photovoltaic power source. The trainer demonstrates the electrical characteristics of the solar array, storage battery, AC and DC distribution, and AC and DC loading. The complete charging sequence can be observed.

#### Specifications

The Hampden **Model H-SPT-AC-1-HS** contains one solar photovoltaic module mounted on rear of case, with a nominal voltage output of 15.5V DC at 1.13A, an inverter that converts the DC to 120VAC single-phase at 200W, a high-capacity solar battery, controls to monitor power from solar modules and to switch to battery power when necessary, four test points, two power take-off points (12V DC and 120V AC), a 0-15V DC voltmeter, a multi-range DC ammeter, and a 0-150V AC voltmeter. The case is constructed of code gauge furniture stock steel. Furnished complete with a set of interconnecting cords.



Front view

MODEL H-SPT-AC-1-HS



Back view

All Hampden units are available for operation at any voltage or frequency

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